

**Notice of Allowability**

Application No.

10/700,208

Examiner

Longbit Chai

Applicant(s)

WALKER ET AL.

Art Unit

2131

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/13/2007.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 5/29/2007.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
AYAZ SHEIKH

**SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100**

## DETAILED ACTION

### *Examiner's Amendment*

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott P. Ryan (Reg. No. 59,535) on 5/29/2007.

This application has been amended as follows:

#### IN THE CLAIMS

Replace claim **1, 9 and 17** as follows.

#### **Claim 1:**

A method to time-shift data in a communication device, the method comprising:  
buffering the data and timing information using a memory arrangement;  
receiving one of the buffered timing information and current timing information associated with currently transmitted data in a decryption subsystem; and  
using the decryption subsystem to decrypt the buffered data only when the buffered timing information is not earlier than a latest timing information associated with

currently known data received by the decryption subsystem, wherein the buffered data becomes unavailable once the decryption subsystem receives the current timing information.

**Claim 9:**

A controller configured to operate with a processor-readable medium having processor-executable instructions for:

buffering data and timing information received by a communication device using a memory arrangement;

receiving one of the buffered timing information and current timing information associated with currently transmitted data in a decryption subsystem; and

using the decryption subsystem to decrypt the buffered data only when the buffered timing information is not earlier than a latest timing information associated with currently known data received by the decryption subsystem, wherein the buffered data becomes unavailable once the decryption subsystem receives the current timing information.

**Claim 17:**

A communication device operable in a satellite-based digital audio radio (SDAR) system, the communication device comprising:

an antenna configured to receive a signal from an SDAR service provider;

a channel decoder operatively coupled to the antenna and configured to generate data and timing information as a function of the received signal;

a memory arrangement operatively coupled to the channel decoder and configured to buffer the data and timing information;

a decryption subsystem operatively coupled to the memory arrangement and the channel decoder and configured to

receive one of the buffered timing information and current timing information associated with currently transmitted data in a decryption subsystem, and

decrypt the buffered data only when the buffered timing information is not earlier than a latest timing information associated with currently known data received by the decryption subsystem, wherein the buffered data becomes unavailable once the decryption subsystem receives the current timing information.

### ***Allowable Subject Matter***

1. Claims 1 – 24 are allowed.
2. The following is an examiner's statement of reasons for allowance:

The above mentioned claims are allowable over prior arts because the CPA (Cited Prior Art) of record fails to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited in independent claims 1, 9 and 17 (& associated dependent claims).

The prior arts fail to teach or suggest a method time-shift data in a communication device, the method proposes buffering the data and timing information using a memory arrangement; receiving one of the buffered timing information and current timing information associated with currently transmitted data in a decryption subsystem; and using the decryption subsystem to decrypt the buffered data only when the buffered timing information is not earlier than a latest timing information associated with currently known data received by the decryption subsystem, wherein the buffered data becomes unavailable once the decryption subsystem receives the current timing information.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Longbit Chai whose telephone number is 571-272-3788. The examiner can normally be reached on Monday-Friday 8:00am-4:00pm.

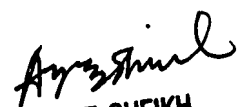
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Examiner  
Art Unit 2131

LBC



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